Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Monday 01 Feb 2021 until 23:59 on Tuesday 02 Feb 2021

Forecast Issued on Sunday 31 Jan 2021 at 10:19

Confidence: High for most of Monday but low for snow in evening. High for unsettled conditions from Tuesday with sleet or snow at times but Low confidence for details, especially snow heights. There is uncertainty in the positions of fronts over the UK and boundary between milder air to the SW and cold air to the NE.

Headline for Monday 01 Feb 2021: Dry and cold. Chance of snow and stronger winds in evening.

Mountain weather hazards on Monday 01 Feb 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Cloudy	Partly cloudy (night)	Sunny intervals	Cloudy	Cloudy	Dull	Light snow
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	<05%	20%	50%

Forecast for Monday 01 Feb 2021

Weather: Dry overnight with widespread frost. A dry and cold day with bright spells but high cloud will obscure the sun at times. Thicker cloud in the evening with outbreaks of snow moving northeast and giving a light covering.

Chance of cloud free mountain/hill tops above 800m: 95% during the day becoming 40% in evening.

Visibility: No issues during daylight hours with good visibility at all levels. Some low cloud developing above 400m in the evening may bring difficult navigation but confidence low for this aspect of the forecast.

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Mountain Weather Forecast

Forecast for Monday 01 Feb 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	24/35 E	20/30 E	17/26 E	14/21 E	13/20 E	13/19 SE	18/28 SE	26/36 SE	29/42 SE
600	26/37 E	23/35 E	20/29 E	16/24 E	14/21 E	14/20 SE	19/29 SE	21/32 SE	30/44 SE
300	13/27 E	12/25 E	10/21 E	8/17 E	7/14 E	6/14 E	8/19 SE	11/26 SE	15/33 SE
Valley	11/25 E	10/21 E	9/17 E	5/10 NE	7/13 E	7/13 E	8/18 E	10/21 E	14/27 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-3/-12	-3/-11	-4/-10	-3/-9	-2/-8	-2/-8	-3/-10	-4/-12	-4/-12
600	-2/-11	-2/-10	-2/-9	-2/-8	-0/-6	-0/-6	-1/-8	-2/-9	-2/-10
300	-0/-6	-0/-6	-0/-5	0/-4	2/-1	2/-1	1/-3	0/-4	0/-5
Valley	2/-3	1/-3	1/-2	2/-1	4/1	4/2	3/-0	3/-1	3/-2
Freezing Level*	100m	100m	100m	100m	300m	300m	300m	300m	300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

The cold conditions will continue with a significant wind chill on the tops. Fair conditions during daytime but please be aware of the potential for snow, poor visibility and strengthening winds in the evening.

Forecast for Tuesday 02 Feb 2021

Weather: A rapid deterioration in conditions by the morning. Heavy snow lasting for most of the day on any modest high ground with blizzards on the tops. Large snow accumulations building up, especially over central and eastern fells. Snow turning to rain in the valleys then below about 500m late in the day but this aspect is rather uncertain.

Maximum wind: East or Southeast 30-40mph gusts 50mph at first, easing to 20mph gusts 30mph in afternoon.

Chance of cloud free mountain/hill tops above 800m: Effectively nil.

Visibility: Very poor at most elevations with extensive cloud down to 300m, perhaps higher at times over western fells. White out conditions developing as snow accumulates.

Temperature: **Valleys:** Plus 2C rising to 4C.
At 800m: Minus 1 or 2C.
Freezing level: Mainly 200m rising to 800m later.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 31 January. Location: Helvellyn summit at 12:05, Temperature: minus 4.1C, Maximum wind speed 16.4mph, Wind chill: minus 9.8C, Average wind speed: 7.4mph.

Full report: We are continuing to provide the Fell Top Reports for people undertaking their daily local exercise during the lockdown. We would like to remind everyone that government guidance stipulates that people should only exercise locally, not leaving the village, town or city where they live.

Here is today's report: A cold day in the hills with good visibility and light winds. Conditions have changed little overnight, and terrain was widely frozen down to low levels throughout the day. The snowline starts at roughly 700m and over the majority of ground above this height, it is a patchwork of snow, ice, and bare ground. Below 700m, the paths are largely clear of snow, although ice is present in places, particularly around any drainage lines. The greatest accumulations of snow are generally found on steep ground in high NE facing corries, gullies, and scarp slopes where long ribbons of snow still run unbroken right down to the corrie floor. All of the snow encountered today was hard névé (refrozen snow) and required the use of crampons to move over safely, even on relatively easy-angled terrain. Swirral and Striding edge both have steep banks of unavoidable hard snow on their exit slopes. The consequences of a slip or fall in these areas (or similar steep ground) could potentially be very long and damaging. Cold conditions look set to continue into next week, so it is advised that anyone venturing into the higher fells is adequately equipped. Full winter clothing (warm/waterproof layers, hat & gloves), mountain boots, as well as a map, compass and headtorch are all essential. For anyone planning routes on steep or exposed ground, crampons and an ice axe are also essential. Microspikes and walking poles are useful for easier angled (non-consequential) terrain. Please be conservative with your plans.

Issued at: 1650 on Sun 31 Jan 2021

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